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(71) Applicant: **BRIDGESTONE CORP HINO  
MOTORS LTD**

(72) Inventor: **HODATE MASAHIRO  
TOYOFUKU MASANORI  
KATSU YUUZOU  
MORIKAWA TOMOHITO**

**(54) PRESSURE SENSOR**

**(57) Abstract:**

**PURPOSE:** To improve the vibration resistance and fatigue strength of a sensor which detects the pressure in the air chamber of a tire.

**CONSTITUTION:** Pressure switches are set so that they can be directly connected to a valve for measuring internal pressure installed in a tire. Then pressure switches 10A and 10B are connected to a transmitter 14 through electric wires. The electric wires are covered with flexible protective tubes 12A, 12B, 12C, and 12D in a state where no tension is applied to the wires, namely, in a slackened state. Since the protective tubes can be fitted to tire wheels with appropriate tension, the protective tubes do not move by centrifugal forces, etc., and the vibration resistance and fatigue strength of this pressure sensor can be improved.

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